

Substitute for Form 1449 A &amp; B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number ~~10/205,954~~ 10/621,978  
 Confirmation Number 8867  
 Filing Date July 26, 2002  
 First Named Inventor Myung-Jin KIM  
 Art Unit 1654  
 Examiner Name Anish Gupta  
 Attorney Docket Number Q81509

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
DA		US 6,375,988	B1	4/23/02	Makoto SUZUKI et al.
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
DA		JP	1-287041	A	11/17/89		English Abstract
DA		JP	2-213	A	1/5/90		English Abstract

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
DA		Patent Abstract of Japan; Patent No. 1992-283510; published October 8, 1992.	
DA		Patent Abstract of Japan; Patent No. 1993-186362; published July 27, 1993.	
DA		Patent Abstract of Japan; Patent No. 1993-186364; published July 27, 1993.	
DA		Patent Abstract of Japan; Patent No. 1997-309843; published December 2, 1997.	
DA		Zhong SP; "Biodegradation of Hyaluronic Acid Derivatives by Hyaluronidase"; National Library of Medicine; Department of Clinical Engineering; University of Liverpool; UK; April 1994; pp. 1.	

Examiner Signature		Date Considered	6/21/05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

<b>FORM PTO-1449 (Modified)</b> <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b> (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> 1949	<b>SERIAL NO.</b> UNKNOWN
	<b>APPLICANT</b> AOKI ET. AL.	
	<b>FILING DATE</b>	<b>GROUP</b> UNKNOWN

REFERENCE DESIGNATION								U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
D2	AA	2	3	7	3	4	5	4	4/45	BUMY ETAL	167	78	
	AB	3	1	3	2	9	9	5	5/64	BELGER ETAL	167	78	
	AC	4	7	1	3	2	4	0	12/87	WILKINS ET AL	424	92	
	AD	4	9	3	2	9	3	6	6/90	DYESTRA ETAL	604	51	
	AE	5	0	5	5	2	9	1	10/61	LAM ETAL	424	85.91	
	AF	5	0	5	5	3	0	2	16/91	LATIES ETAL	424	427	
	AG	5	0	5	2	0	0	5	10/91	BORUDIC	604	51	
	AH	5	1	8	3	4	6	2	2/93	BOROPK	604	51	
D3	AI	2	7	1	9	1	0	2	9/55	BALDWIN	167	78	
	AJ												
	AK												

FOREIGN PATENT DOCUMENTS											
		DOCUMENT NUMBER				DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
										YES	NO
	AL										
	AM										
	AN										
	AO										
	AP										

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)											
	AR										
	AS										
	AT										

<b>EXAMINER</b> 	<b>DATE CONSIDERED</b> 6/2/05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**LIST OF ART CITED BY APPLICANT**

<b>ATTY. DOCKET:</b> 16952 CON1 (BOT)	<b>SERIAL NO.:</b> 08/627,118
<b>APPLICANT:</b> AOKI, et al.	<b>TITLE:</b> METHOD FOR TREATING SWEAT SECRETIONS AND SWEAT GLANDS USING A BOTULINUM TOXIN
<b>FILING DATE:</b> APRIL 3, 1996	<b>GROUP:</b> 1654

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
	AA						
	AB						
	AC						
	AD						
	AE						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/no)
	BA						
	BB						
	BC						

**OTHER ART**

(Including Author, Title, Date, Pertinent Pages, etc.)

os	CA	Grusser Von O-J, Die ersten systematischen Beschreibungen und tierexperimentellen Untersuchungen des Botulismus, Sudhoffa Archiv (1986), 70(2), 167-186. English translation attached.
os	CB	Kerner, J. Das Fettgift oder die fettsaure und ihre wirkungen auf den thierischen organismus, ein beytrag zur untersuchung des in verdorbenen wursten giftig wirkenden stoffes. Stuttgart und Tuingen: Cotta, 368 pages (1822); English translation of table of contents and of Chapter 8 enclosed.
	CC	
	CD	
	CE	
	CF	
	CG	
	CH	
	CI	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office PTO form 1449					Atty Docket No.		Serial No.	
					16952 CON 1 (AP)		08/627,118	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s): Aoki et al.			
(Use several sheets if necessary)								
					Filing Date: Apr 11 3 1996		Group 1654	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
os	AA	5,183,462	Feb. 2, 1993	Borodic				
	AB	4,720,494	Jan. 19, 1988	Felger et al.				
os	AC	4,234,566	Nov. 18, 1980	Packman et al.				
	AD							
	AE							
	AF							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	BA							
	BB							
	BC							
	BD							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
os	CA	Bergmann, MD, et al.; <i>Selective Degeneration of Sudomotor Fibers in Ross Syndrome and Successful Treatment of Compensatory Hyperhidrosis with Botulinum Toxin</i> ; <u>Muscle &amp; Nerve</u> ; Dec. 1998, pp. 1790-93.						
	CB	Glogau, Richard MD; <i>Botulinum A Neurotoxin for Axillary Hyperhidrosis</i> ; <u>Dermatol Surg.</u> ; Aug. 1998; 24(8), pp. 817-819.						
	CC	Heneson, Nancy; <i>Deadly Toxin Calms Excited Muscles</i> ; <u>New Scientist</u> , 8 Dec. 1990, p. 24.						
	CD	Kaszynski, Edwin, et al.; <i>Mouse Foot Screen for the Inhibition of Sweating by Anticholinergic Drugs</i> ; <u>The Journal of Investigative Dermatology</u> , 1974, Vol. 62, pp. 510-513.						
	CE	Naumann, M., et al.; <i>Botulinum Toxin for Focal Hyperhidrosis: Technical Considerations and Improvements in Application</i> ; <u>British Journal of Dermatology</u> , 1998, 139, pp. 1123-24.						
os	CF	Naumann, Markus, et al.; <i>Botulinum Toxin for Palmar Hyperhidrosis</i> ; <u>Lancet</u> , Jan. 25, 1997, Vol. 349.						
Examiner		Date Considered 6/14/95						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Department of Commerce, Patent and Trademark Office		Atty Docket No.	Serial No.
		16952 CON1 (AP)	08/627,118
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant(s) AOKI, et al.	
(Use several sheets if necessary)			
		Filing Date	Group
		April 3, 1996	1654
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
CG	Naumann, Markus, et al.; <i>Focal Hyperhidrosis</i> ; <u>Arch Dermatol</u> , March 1998, Vol. 134, pp. 301-04.		
CH	Naver, Hans, et al.; <i>The Treatment of Focal Hyperhidrosis with Botulinum Toxin</i> ; <u>European Journal of Neurology</u> , 1997, Vol. 4, Suppl 2, pp. S75-S79.		
CI	Odderson, Ib, MD; <i>Axillary Hyperhidrosis: Treatment with Botulinum Toxin A</i> ; <u>Arch Phys Med Rehabil.</u> , March 1998, Vol. 79, pp. 350-52.		
CJ	Schantz, Edward, et al.; <i>Properties and Use of Botulinum Toxin and Other Microbial Neurotoxins in Medicine</i> ; <u>Microbiological Reviews</u> , Mar. 1992, pp. 80-95.		
CK	Schnider, P., et al.; <i>Double-Blind Trial of Botulinum A Toxin for the Treatment of Focal Hyperhidrosis of the Palms</i> ; <u>British Journal of Dermatology</u> , 1997, 136(4), pp. 548-52.		
CL	Shelley, W. B., et al.; <i>Botulinum Toxin Therapy for Palmar Hyperhidrosis</i> ; <u>Journal of the American Academy of Dermatology</u> , Feb. 1998, 38 (2 Part 1), pp. 227-29.		
CM	Stevens, Leslie M., et al.; <i>Development and Properties of the Secretory Response in Rat sweat Glands: Relationship to the Induction of Cholinergic Function in Sweat Gland Innervation</i> ; <u>Developmental Biology</u> , 1987, 123, pp. 179-190.		
CN			
CO			
CP			
CQ			
CR			
CS			
CT			
Examiner	Date Considered 6/11/98		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.			

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**LIST OF PRIOR ART CITED BY APPLICANT**

ATTY. DOCKET: 16952CON	SERIAL NO.: 08/627,118
APPLICANT: AOKI ET AL	TITLE: USE OF BOTULINUM TOXINS FOR TREATING VARIOUS DISORDERS AND CONDITIONS
FILING DATE: APRIL 3, 1996	GROUP:

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
02	AA	2373454	4/45	BUMY ET AL	—	—	
	AB	3132995	5/64	BERGER ET AL	—	—	
	AC	4713240	12/87	WILKINS ET AL	—	—	
	AD	4832936	6/90	DYSTRA ET AL	—	—	
	AE	5056291	10/91	LAM ET AL	—	—	
	AF	5055302	10/91	LATIES ET AL	—	—	
	AG	5053005	10/91	BORODIC	—	—	
	AH	5183462	2/93	BORODIC	—	—	
	AI	2719102	9/55	BALDWIN	—	—	
	AJ	5766605	6/98	SANDERS ET AL	—	—	
02	AK	5437291	8/95	PASRICHA ET AL	—	—	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/n )
02	AL	6528171	PCT				

**OTHER PRIOR ART**

(Including Author, Title, Date, Pertinent Pages, etc.)

02	AM	X	PURNGVARIN ET AL; J. MED. ASSOC. THAI (1992 apr) 75 (4) 199-203
	AN	X	CORRESPONDENCE DATED 12/10/91 BETWEEN WILLIAM C. SHEPHERD AND IRA SANDERS
	AO	X	CORRESPONDENCE DATED 4/13/92 BETWEEN IRA SANDERS AND ANGELIKA S. ASWAD REGARDING "ANIMAL STUDY"
	AP	X	PARTIAL CORRESPONDENCE DATED 4/24/92 BETWEEN ANGELIKA S. ASWAD AND DR. SANDERS REGARDING "BOTULINUM TOXIN TO DECREASE SALIVARY FLOW"
	AQ	X	AMBACHE, J. PHYSIOL. (1951) 113, 1-17
02	AR	X	BRIN. ARCH. DE NEUROBIOL. 54. SUPL. 3 (7-23) 1991

EXAMINER [Signature]

DATE CONSIDERED 6/24/95

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**SUPPLEMENTARY  
LIST OF ART CITED BY APPLICANT**

<b>ATTY. DOCKET:</b> 16952CON(AP)	<b>SERIAL NO.:</b> 08/627,118
<b>APPLICANT:</b> AOKI et al.	<b>TITLE:</b> Use of Botulinum Toxins For Treating Various Disorders and Conditions and Associated Pain
<b>FILING DATE:</b> April 3, 1996	<b>GROUP:</b> 1654

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (if applicable)
AA						
AB						

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (yes/no)
BA					
BB					

**OTHER ART**

(Including Author, Title, Date, Pertinent Pages, etc.)

CA	Ambache, N.; <i>A Further Survey of the Action of Clostridium Botulinum Toxin upon Different Types of Autonomic Nerve Fibre</i> ; <u>J. Physiol.</u> ; 1951; 113:1-17.
CB	Jenzer, G., et al.; <i>Type B Botulism, Report on Mild Courses with Predominantly Autonomic Nervous Impairment</i> ; <u>Schweiz. Med. Wschr.</u> ; 104, 685-693; 1974. (English translation also enclosed.)
CC	

EXAMINER

DATE CONSIDERED

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